

**ABSTRACT OF THE DISCLOSURE**

5 A stator for a rotating electrical machine, such as a motor or generator, is wound with stator coils having non-slot-insertion segments that include a twisted segment that is twisted a predetermined number of degrees. The twisted segment is additionally bent at a predetermined angle relative to a reference plane. This combination of twist and bend reduces the likelihood of damage to the insulating coating on the stator coils, and increases the clearance between adjacent coils as compared to other stator designs. As a result, electrical interference between adjacent coils is minimized.

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